

# #124102, 124108

## Installation Instructions

### Jeep Wrangler YJ

### Jeep CJ (Rear Only)

### Shackle Kit



**READ AND UNDERSTAND ALL INSTRUCTIONS AND WARNINGS PRIOR TO INSTALLATION OF SYSTEM AND OPERATION OF VEHICLE.**

#### SAFETY WARNING

BDS Suspension Co. recommends this system be installed by a professional technician. In addition to these instructions, professional knowledge of disassembly/reassembly procedures and post installation checks must be known.

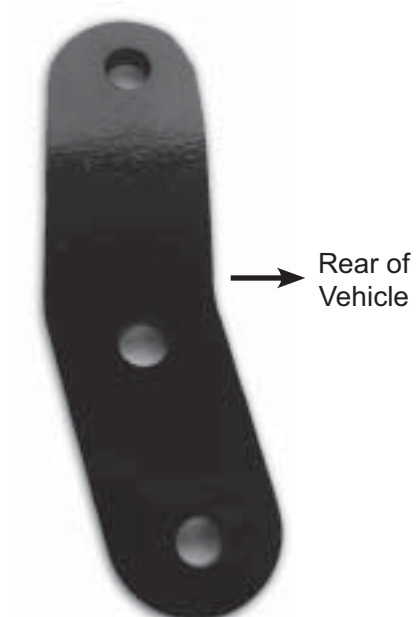
#### INSTALLATION INSTRUCTIONS

1. Park vehicle on a clean, level surface and block the wheels for safety.
2. Raise the front (rear if installing #124108 on a YJ or #124102 on a CJ) of the vehicle and support with jack stands under the frame rails.
3. Support the center of the axle with a hydraulic jack to remove pressure from the shackle assemblies. Remove the driver's and passenger's shackle assemblies.
4. If replacing shackle bushings, do so now. Replacement bushings are available through BDS.
5. Loosely install the shackle plates to the frame using the provided 1/2" x 4-1/2" bolts, nuts and washers. The two holes that are closest together should be at the spring end of the shackle. **Rear YJ Only: The bend in the shackle goes toward the rear of the vehicle. See figure.**
6. Lower the axle so that the lowest holes in the shackle plates line up with the spring eye. Install a 1/2" bolt, nut and washers through the shackle plates and spring. Leave hardware loose.
7. Install the large center sleeve between the two plates at the center holes. Fasten using a 1/2" bolt, nut and washers. Leave hardware loose.

8. With the driver's and passenger's shackles installed and hardware loose, remove the jack stands and lower the vehicle to the ground.
9. Bounce the vehicle to settle the suspension. Tighten the center shackle bolts to 50 ft-lbs. Tighten the upper and lower bolts to 30-35 ft-lbs max.
10. Check hardware for proper torque after 100 miles and after any off road use.

**Note: Additional shackle length will change caster and driveline angles. Axle shims may be required to correct these angles.**

Frame End



Spring End